



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/781,049	02/09/2001	Rikihiro Iida	10830-054001 / A36-129092	7560
26211	7590	05/17/2004	EXAMINER	
FISH & RICHARDSON P.C. 45 ROCKEFELLER PLAZA, SUITE 2800 NEW YORK, NY 10111			JACKSON, CORNELIUS H	
			ART UNIT	PAPER NUMBER
			2828	

DATE MAILED: 05/17/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/781,049	IIDA, RIKIHIRO	
	Examiner	Art Unit	
	Cornelius H. Jackson	2828	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 23 February 2004.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-3 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-3 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date: _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date: _____ | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Acknowledgment

1. Acknowledgment is made that applicant's Amendment, filed on 23 February 2004, has been entered. Upon entrance of the Amendment, claims 1-3 were amended. Claims 1-3 are now pending in the present application.

Drawings

2. Figure 4 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

- (e) the invention was described in–
 - (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effect under this subsection of a national application published under section 122(b) only if the international application designating the United States was published under Article 21(2)(a) of such treaty in the English language; or

Art Unit: 2828

(2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that a patent shall not be deemed filed in the United States for the purposes of this subsection based on the filing of an international application filed under the treaty defined in section 351(a).

4. Claims 1-3 are rejected under 35 U.S.C. 102(e) as being anticipated by Kuo et al. (6563846). Kuo et al. disclose a DFB laser driving device Fig. 1 comprising an input unit 15 and 17, an approximate temperature calculating section, an output level variation calculating section **see col. 3, line 11-col. 6, line 56**, an output level controlling section 14, and a temperature controlling unit 13.

Regarding claim 2, Kuo et al. disclose inputting set values of a wavelength 17 and a output level 15; calculating an approximate temperature of the DFB laser based on the set values of the wavelength and output level; calculating an output level variation of the DFB laser on the approximate temperature; calculating a calculated value based on the output level variation and the set value of the output level; controlling the output level of the DFB laser based on the calculated value; calculating a set temperature of the DFB laser based on the calculated value and the set value of the wavelength; and controlling the temperature of the DFB laser based on the set temperature, **see col. 1, line 65-col. 2, line 35 and col. 3, line 11-col. 6, line 56**.

Regarding claim 3, Kuo et al. disclose a storage medium 16 and all the other stated limitations, **see col. 3, line 11-col. 6, line 56**. Also note that it has been held that a recitation with respect to the manner in which a claimed apparatus is intended to be employed does not differentiate the claimed apparatus from a prior art apparatus satisfying the claimed structural limitations. *Ex parte Masham*, 2 USPQ2d 1647 (1987).

Art Unit: 2828

5. Claims 1-3 are rejected under 35 U.S.C. 102(e) as being anticipated by Broutin et al. (6449077). Broutin et al. disclose a DFB laser driving device **Figs. 1 and 2** comprising an input unit (**remote input to terminal 160**) to input set values of a wavelength and an output level, an approximate temperature calculating section **160 (it is inherent that the temperature is approximately calculated since the laser is controlled by the temperature)**, an output level variation calculating section **160**, an output level controlling section **160/108/109**, and a temperature controlling unit **160/118/119/120**; **see col. 2, line 5-col. 6, line 14.**

Regarding claim 2, Broutin et al. discloses inputting set values of a wavelength and a output level; calculating an approximate temperature of the DFB laser based on the set values of the wavelength and output level; calculating an output level variation of the DFB laser on the approximate temperature; calculating a calculated value based on the output level variation and the set value of the output level; controlling the output level of the DFB laser based on the calculated value; calculating a set temperature of the DFB laser based on the calculated value and the set value of the wavelength; and controlling the temperature of the DFB laser based on the set temperature, **see col. 2, line 5-col. 6, line 14.**

Regarding claim 3, Broutin et al. discloses a storage medium and all the other stated limitations **see col. 2, line 5-col. 6, line 14, especially col. 5, lines 47-64.** Also note that it has been held that a recitation with respect to the manner in which a claimed apparatus is intended to be employed does not differentiate the claimed apparatus from

Art Unit: 2828

a prior art apparatus satisfying the claimed structural limitations. *Ex parte Masham*, 2 USPQ2d 1647 (1987).

Response to Arguments

6. Applicant's arguments filed 30 December 2002 have been fully considered but they are not persuasive. Applicant argued the following, Kuo et al. (6563846) does not involve the separate calculation regarding "an approximate temperature" as recited in the pending claims. In response, the "an approximate temperature" Applicant is relying upon is only a predetermined value on a set of tables in which the computer/CPU recalls depending on a desired output. Kuo et al. took the same information/tables and placed it within a mathematical equation so that in solving the equation "an approximate temperature" is inherently calculated and used in order to obtain a "set temperature", see col. 3, line 40-col. 4, line 12.

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cornelius H. Jackson whose telephone number is (571)272-1942. The examiner can normally be reached on 8:00 - 5:00, Monday - Friday.

Art Unit: 2828

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (571)272-1834. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

CHJ

chj

Don Wong
Don Wong
Supervisory Patent Examiner
Technology Center 2800